BenQ E1050 Digital Camera
User Manual

Welcome

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Taking care of your camera

- The camera operating temperature is between 0 and 40 degrees Celsius. It is normal for the operating time to be shortened when the temperature is low.
- Do not use or store your camera in the environments listed below:
  - Direct sunlight
  - Dusty places
  - Next to an air conditioner, electric heater or other heat sources
  - In a closed car that is in direct sunlight
  - Unstable locations
- If your camera becomes wet, wipe it with a dry cloth as soon as possible.
- Salt or seawater may cause severe camera damage.
- Do not use solvents, such as alcohol, to clean your camera.
- If the lens is dirty, use a lens brush or soft cloth to clean the lens. Do not touch the lens with your fingers.
- To prevent electric shock, do not attempt to disassemble or repair your camera by yourself.
- Water may cause a fire or electric shock. Therefore, store your camera in a dry place.
- Do not use your camera outdoors when it is raining or snowing.
- Do not use your camera in or near water.
- If a foreign substance or water gets in your camera, please turn the power off immediately and disconnect the battery (or batteries; depending on the model you purchased) and the power adapter. Next, Remove the foreign substance or water, and send it to the maintenance center.
- If the lens cannot retract into the camera, please replace the battery first (usually this is because of a drained battery). Then the lens should retract automatically. If the lens still cannot retract, please contact your dealer.
- Under no circumstances should you push the lens back manually as this may damage the camera.

Disposal of Waste Electrical and Electronic Equipment by users in private households in the European Union.

This symbol on the product or on the packaging indicates that this can not be disposed of as household waste. You must dispose of your waste equipment by handing it over to the applicable take-back scheme for the recycling of electrical and electronic equipment. For more information about recycling of this equipment, please contact your city office, the shop where you purchased the equipment or your household waste disposal service. The recycling of materials will help to conserve natural resources and ensure that it is recycled in a manner that protects human health and environment.

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CE Regulatory Notice

Hereby, BenQ Corp. declares under our responsibility that the product is in conformity with the requirements set out in the Council Directive on the Approximation of the Laws of the Member States relating, Electromagnetic Compatibility Directives (2004/108/EC) and Low Voltage Directive (2006/95/EC).

A “Declaration of Conformity” in accordance with the above Directives has been made and is available from BenQ Corp. upon request.

FCC Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

FCC Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

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English

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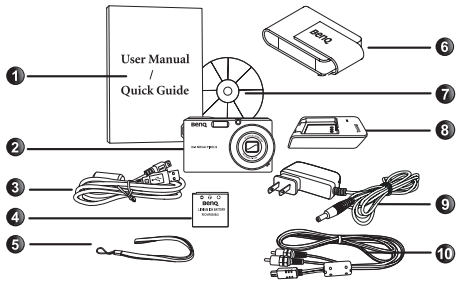
Touring the camera

Checking the package contents

Carefully unpack your kit box and ensure that you have the following items.

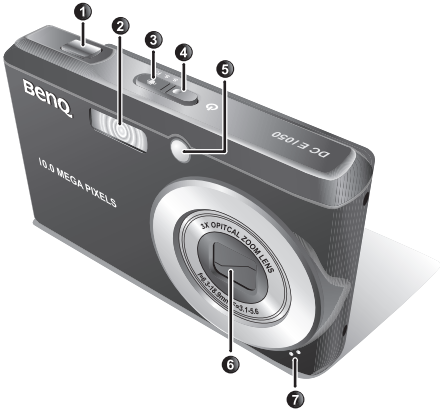


1. User Manual / Quick Guide
2. Digital camera
3. USB cable
4. Battery
5. Hand strap
6. Leather case
7. Software CD
8. Battery charger
9. AC power adapter
10. AV cable

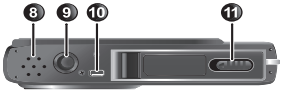
- All pictures, screen captures, and icons used in this manual are for illustration only. Actual and available products, accessories, as well as their appearance may vary depending on sales region.
- If any items are missing or damaged, contact your dealer.
- Save the packaging for future shipment or storage.

Camera

Front view and bottom view



1. Shutter button
2. Flash
3. S.S.F. (Super Shake-Free) button
4. Power button ⏻ / Status LED indicator)
5. AF Assist Lamp / Self-timer LED indicator
6. Lens
7. Microphone
8. Speaker
9. Tripod mount
10. USB / AV port
11. Battery / Memory card cover



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Rear view

1. LCD display
2. T (Tele) - Zoom-in or Scene mode description
3. Strap eyelet
4. W (Wide) - Zoom-out or thumbnail view (Playback mode)
5. Playback mode button - Toggle between Capture and Playback modes)
6. Multifunctional buttons (including a 4-way control and an OK button)
7. FUNC / Delete button - Activate FUNC menu (Capture mode) or delete photos (Playback mode)
8. MENU button MENU or return to the previous menu

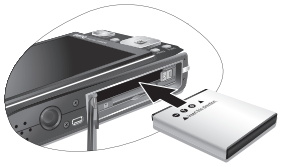
- It is normal for the camera to become warm during operation, because metal camera casing can conduct heat.
- The LCD display on this camera is manufactured with sophisticated technology, and more than 99.99% of the pixels on the LCD display meet standard specifications. Yet, it is possible that less than 0.01% of the pixels on the LCD display may have some light spots or show unusual colors. This is normal and does not indicate display malfunction, nor will this affect the pictures you take with the camera.

Preparing the camera for use

Use only the specified battery for the camera, and always turn off the camera before removing the battery.

A

B



To install the battery:

1. Open the battery cover (A).
2. Insert the battery in the correct direction by matching the + - label on the battery cover (B).
3. Push the battery all the way down, until the battery lock lever clicks into place (C).
4. Close the battery cover (D).

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C

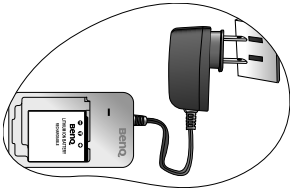
To remove the battery:

1. Open the battery cover.
2. Press and hold the battery.
3. Release the battery lock lever.
4. When the battery has come out a little, gently pull it out the rest of the way.
5. Close the battery cover.

D

Charging the battery

The battery charge status affects the camera performance. To maximize the performance and the battery life, fully charge the battery using the specified charger and AC power adapter, and then fully discharge it through normal use at least once.



To charge the battery:

1. Insert the battery into the battery charger.
2. Connect one end of the AC power adapter to the battery charger.
3. Connect the other end of the AC power adapter to a wall outlet.
4. When the battery is being charged, the charger LED indicator lights up in red. When the battery is fully charged, it turns into green.

- Damage caused by the use of an incorrect battery charger set is not covered under the warranty.
- The battery may be warm after being charged or used. This is normal and not a malfunction.
- When using the camera in a cold environment, keep the camera and its battery warm by holding it inside your jacket or another warm protective environment.
- Remove the battery from the camera if you do not intend to use the camera for a long time.

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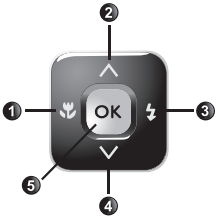
Using multifunctional buttons

You can choose camera settings by pressing the 4-way control or the OK button.

1. **Left/Macro/Auto Focus**:
   - Scrolls left in menus.
   - Activates Macro mode or Auto Focus mode.
2. **Up**:
   - Scrolls up in menus.
3. **Right/Flash**:
   - Scrolls right in menus.
   - Selects a flash mode.
4. **Down**:
   - Scrolls down in menus.
5. OK: Confirms a chosen setting.

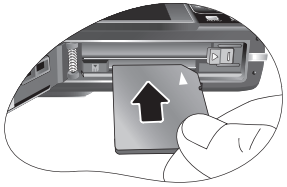


Using an SD card

The camera comes with internal memory for storing captured images, video clips, or audio files. You can also add an SD card to store more files.

To install an SD card:

1. Make sure the camera is turned off.
2. Open the memory card cover.
3. Insert an SD card in the correct direction.
4. Close the memory card cover.



To remove an SD card:

1. Make sure the camera is turned off.
2. Open the battery cover.
3. Press lightly the edge of the memory card to eject.
4. Close the battery cover.

☞ Before initial use of an SD card, press MENU > > **Manage Memory** > **Format** > OK to format the card first.

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Initial setting

You will be prompted to set up the language and the date and time when the camera is turned on for the first time.

Setting language

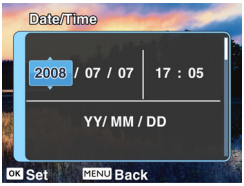
Selects the language version shown on the screen.

To select a language:

1. Press ✿, ϟ, ∧, or ∨ to locate the language you want.
2. Press OK to set the language.

Setting date and time

When first time using the camera or the battery has been removed from the camera for a long time, you need to set the date and time. They are used to record when a file was captured.



To set date and time:

1. Press MENU > . (Step 1 is needed only after the initial setting is done.)
2. Press ∧ or ∨ to locate **Date/Time**, and then press OK or ϟ.
3. Press ∧ or ∨ to select date and time and date format. Press ✿ or ϟ to move to another column as needed.
4. Press OK to set the date and time.

Operating the camera

The procedure below is a general guideline for basic operation. It is particularly useful if you are new to the camera.

1. Press ⏻ to turn the power on.
2. Press MENU > ∧, ∨, ✿, or ϟ to locate a desired options (under two different tabs: and), and then press OK or ϟ to make selections.

☞ Remember to follow the on-screen display or press ? Q T for instructions (wherever available). Next, press corresponding buttons to access and set more options. At any time, you can cancel the current operation by pressing MENU to return to your previous step.

3. Press T to zoom-in or W to zoom-out. (In the **Movie Record** mode, you can still adjust the optical zoom before recording.)
4. Press the shutter halfway to set automatic focus. Once the focus is set, the focus frame color will turn from white (unfocused) to yellow-green (focused).
5. Press the shutter down fully to capture.
6. Release the shutter.

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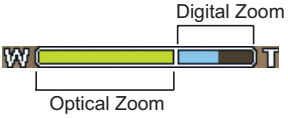
7. In the **Movie Record** mode, press the shutter to stop video recording.
8. Press ▶ to view captured images or recorded videos, and then press ✿, or ϟ to move to different images/videos. You can also press T or W to zoom-in/out a captured image, or press W to view 9 images on the screen.

☞
- During zoom-in/out, there is a separator in the zoom bar between T and W. For best image quality, it is recommended to use optical zoom only by keeping the magnification within W and the separator.
- Flash is automatically turned off in the Movie Record mode.
- The Movie Record mode records both sound and video. The recording time is continuous, but recording will stop once the memory card space is full.
- In the Movie Record mode, sound is temporarily muted during zoom-in/out.
- Anytime in the Playback mode, you can press ▶ to switch to the Capture mode.
- At any time, you can press ⏻ to turn off the camera.
- In Capture or Playback mode, press OK to decide what information to show on the screen.



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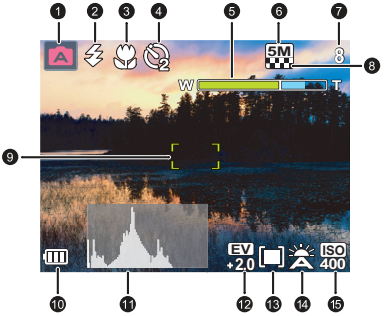
Capture mode



Item	Description	Page reference
1	Scene mode	13
2	Flash mode	9
3	Focus mode	9
4	Drive mode	16
5	Zoom bar	5
6	Image size	8
7	Number of shots available	--
8	Image quality	10
9	AF area	12
10	Battery status	10
11	Histogram	--
12	Exposure value (EV)	10
13	AE metering	11
14	White balance	11
15	ISO	11

☞
- In the Capture mode, press OK to toggle among 4 display modes (standard, complete, none, and rule of thirds). Use the rule of thirds display mode to improve your composition by placing subjects on at least one of the intersections of these 4 imaginary lines.
- While the shutter is pressed halfway, the shutter speed and the aperture are also shown on the screen (not available in the Movie Record mode).

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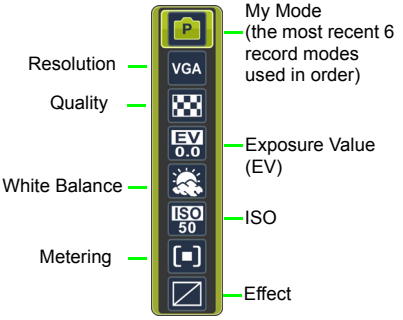
More capture options in FUNC menu

Press the **FUNC** button FUNC to access more capture options. Depending on your settings, the displayed option icons in the FUNC menu may vary.



To use the FUNC menu:

1. Press FUNC to enter the FUNC menu and currently selected setting shows.
2. Press ∧, ∨ to go to another option, or press ✿ or ϟ to select a setting.
3. Press OK to confirm the setting.

Image size

Icon	Description	Icon	Description
10M	10 megapixels (3648 x 2736)	5M	5 megapixels (2592 x 1944)
3:2	3:2 (8 megapixels; 3648 x 2432)	3M	3 megapixels (2048 x 1536)
16:9	16:9 (8 megapixels; 3648 x 2048)	HD 16:9	HD 16:9 (1920 x 1080 in full HD format)
8M	8 megapixels (3264 x 2448)	VGA	VGA (640 x 480)

To select an image size:

1. Press FUNC > **Resolution**.
2. Press ✿ or ϟ to select a setting.
3. Press OK to confirm setting.

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Flash mode

The flash offers an additional light source (usually used in a low-light environment). You can capture an image using one of the following flash modes.

Icon	Mode	Description
	Auto flash	The flash fires automatically based on the photographic conditions.
	Auto anti red-eye	Reduces the red-eye phenomenon when capturing natural-looking images of people and animals in low-light conditions. Be sure to ask the subject to look at the camera lens or get as close to the camera as possible. The flash fires automatically based on the photographic conditions.
	Force on	The flash always fires regardless of the surrounding lighting conditions. Select this mode when capturing images with high contrast (backlighting) and deep shadows.
	Slow sync	Fires the flash immediately at the beginning of exposure with a longer shutter speed, so balanced ambient lighting of the foreground subject and background scene can be reached in a low-light environment.
	Force off	The flash does not fire. Select this mode when flash photography is prohibited, or when the distance to the subject is beyond the effective range of the flash.

To select a flash mode:

1. Go to the Capture mode.
2. Keep pressing ϟ to toggle among different flash modes and select a desired option.

Macro mode

Icon	Mode	Description
	Auto focus	Adjusts focus automatically.
	Macro	Used when capturing images at a close distance.

To select Macro mode:

3. Go to the Capture mode.
4. Keep pressing ❦ to toggle between Auto focus and Macro modes.

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Image quality

Icon	Mode	Description
	Fine	Best image quality with the lowest compression rate. File size is the largest.
	Normal	Better image quality with medium compression rate. File size is medium.
	Economy	Good image quality with the highest compression rate. File size is the smallest.

To select an image quality level:

1. Press FUNC > **Image Quality**.
2. Press ✋ or ϟ to select a setting.
3. Press OK to confirm setting.

Battery status

Icon	Description
	Battery power is full.
	Battery power remains adequate.
	Battery power is low.
	Battery power is very low. You should replace the battery ASAP.

Setting EV

EV (Exposure Value) lightens or darkens the entire image. Adjust EV when the brightness between the subject and the background is not balanced, or when the subject occupies only a small part of the picture.

To select an EV:

1. Press FUNC > **EV**.
2. Press ✋ or ϟ to select an EV from the EV bar, and then press OK to confirm setting.

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White balance

Compensates for color temperatures in different lighting conditions, so white and other colors can display properly when you capture images.

Icon	Mode	Description
	Auto	Adjusts white balance automatically.
	Daylight	Used in bright daylight conditions.
	Cloudy	Used in twilight or shady conditions.
	Tungsten	Used when subjects lit by tungsten (incandescent) lighting.
	Fluorescent H Fluorescent L	Adjusts for fluorescent lighting. Corrects the green hue of fluorescent lighting. Ideal for indoor photos under fluorescent lighting without a flash.
	Manual	Used when you want to manually adjust white balance in a particular lighting condition.

To select white balance:

1. Press FUNC > **White balance**.
2. Press ✿ or ϟ to select an select a white balance option. (When selecting the manual mode, you must first point the adjustment frame shown on the screen at a blank sheet of white paper or something similar, and press the Shutter for the camera to detect proper colors.)
3. Press OK to confirm setting.

ISO

ISO configures the camera's sensitivity to light. The higher the ISO value, the brighter picture you can take in a low-light environment. Yet, you may see more noise in the picture as you increase the ISO value.

Icon	Description
	Automatically sets the ISO value.
	Equivalent to color ISO 50/100/200 film. Used for outdoor photography in bright sunlight.
	Equivalent to color ISO 400/800/1600/3200 film. Used it in a low-light environment or where the flash light is not allowed. ISO 3200 for resolution 3M or under only.

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To select an ISO value:

1. Press FUNC > **ISO**.
2. Press ▼ or ⚡ to select an ISO Value.
3. Press OK to confirm setting.

AE metering

Icon	Mode	Description
	Automatic Exposure metering: Matrix	Detects the exposure based on multiple points in the subject area.
	Automatic Exposure metering: Center Weight	Detects the exposure of the entire shooting screen, but gives more importance to the values near center.
	Automatic Exposure metering: Spot	Detects the exposure based on the center spot in the subject area.

To select an AE metering option:

1. Press FUNC > **Metering**.
2. Press ▼ or ⚡ to select an AE metering option.
3. Press OK to confirm setting.

Effect

Adds color filter effects to the image or video you want to capture.

Icon	Mode	Description
	Normal	No effects are added.
	Vivid	Adds an effect with very clear and bright color tones.
	Sepia	Adds an effect with dark reddish brown color tones, so the image or video looks as if it is old.
	Black and White (B/W)	Adds an effect with monochromatic color tones.
	Vivid Red	The image becomes reddish.
	Vivid Green	The image becomes greenish.
	Vivid Blue	The image becomes bluish.

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To select an color mode:

1. Press FUNC > **Color Mode**.
2. Press ▼ or ▶ to select an Effect option.
3. Press OK to confirm setting.

Scene mode

Select one of the following scene modes to fit your shooting condition.

Icon	Mode	Description
	Auto	Lets the camera automatically decide most settings, so you can capture images with ease.
	Program	You can set the shooting parameters.
	Aperture Priority	You can choose an aperture value, while the shutter speed is automatically determined by the lighting condition of the subject.
	Shutter Priority	You can choose a shutter speed, while the aperture value is automatically determined by the lighting condition of the subject.
	Manual	Lets you decide all available shooting parameters.
	Movie Record	Captures videos with sound. When viewing the captured video file later, the icon shows indicating that this is a video file.
	Portrait	Makes the subject (usually a person) stand out with a brighter look.
	Landscape	Used when taking pictures of natural scenery.
	Sports	Captures a fast-moving subject.
	Backlight	Compensates for exposure in a strong backlit environment. Flash is always on.
	Night Scene	Used when taking a picture in the evening, night, or a low-light environment.
	Beach	Used under a very bright light environment such as beaches.
	Snow	Used under a very bright light environment such as snow scenes.
	Fireworks	Used when taking a picture of exploding fireworks.
	Night Portrait	Keeps both the subject and the night scene clearly.

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	Self-Portrait	Helps take a picture of yourself (and other subjects if available).
	Building	Line contrasts of a building are highlighted.
	Soft Flowing Water	Captures the moments of motion blur on water.
	L. Portrait	Makes the subject (usually a person) stand out while the background is blurred slightly.
	Web Auction	Optimizes image file size for use on the Internet.
	High ISO Portrait	Takes a clear picture In a low-light environment. Flash is always off.
	Food	Captures food by enhancing color brightness and giving more vivid colors.
	Museum	Used when taking a picture of subjects in a place where flash is usually prohibited. Flash is always off.
	Candle Light	Makes a picture look warm, and thus captures the mood under candle light source. Flash is always off.
	Party	Captures the party atmosphere usually under indoor light source.
	Text	Takes a picture of clear text by reducing image distortion usually found on paper, magazines, or books.
	Child	Retains enough colors and skin tones of the subject.
	Sunset	Captures the warmth and atmosphere of sunset.
	Flower	Captures brightly colored flowers by enhancing their soft outlines.
	Pet	Takes a clear picture of a pet by showing its correct fur color.
	Smile Catch	Automatically takes a shot while enough degree of smile is detected. (Smile Catch is automatically turned off after shooting 6 images.)
	Voice Rec.	Captures background sound only (no images or videos). When listening to the captured audio file later, the icon shows indicating that this is an audio file.

- For some scene modes like Auto, options ISO, Metering, and White Balance are not available. You must select another mode like Manual to enable these options.
- When S.S.F. is turned on, adjusting ISO is unavailable no matter which scene mode you select.

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To select a scene mode:

1. Press MENU > > **Scene Mode**.
2. The currently selected scene mode shows. Press ∧, ∨, ❀, or ϟ to locate another desired option.

When you are selecting from different scene modes, press ? Q T for detailed explanation of each scene mode. Press ▪▪ W to close the scene mode description when you are done.

3. Press OK to confirm setting.
4. Press MENU to start taking photos.

Aperture Priority

Aperture priority is often used when shooting static subjects or emphasizing the depth of field. In general, use a smaller aperture if a greater depth of field is needed.

To adjust aperture value:

1. Go to the Capture mode with Aperture Priority mode selected.
2. Press ∧ / ∨ to adjust the aperture value.

Shutter Priority

Shutter priority is often used when shooting moving subjects. In general, use a shorter shutter speed to catch a fast-moving object.

To adjust shutter speed in Shutter Priority:

1. Go to the Capture mode with Shutter Priority mode selected.
2. Press ∧ / ∨ to adjust the shutter speed.

Manual mode

You can choose the aperture value and shutter speed in Manual mode.

To adjust values in Manual mode:

1. Go to the Capture mode with Manual mode selected.
2. Press ∧ / ∨ to adjust the aperture value or shutter speed. Press OK to toggle between the two options.

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Drive mode

Icon	Mode	Description
OFF	Standard	Takes one picture at a time.
	Self-timer	Automatically takes a picture after 2 or 10 second delay. This mode is useful when you want to be part of the picture.
	Double	Performs delay and capture twice: 1. Performs a 10-second delay, then captures the image. 2. Performs another 2-second delay then captures the image again.
	Burst	Continuously takes pictures as long as you keep pressing the Shutter. The flash is always off in this mode.

To select a drive mode:

1. Go to the Capture mode.
2. Press MENU > > **Drive Mode**.
3. Press OK or , and then select a desired option.
4. Press OK > MENU.

Auto Exposure Bracketing (AEB)

The AEB function automatically takes 3 pictures with slightly different settings in the shutter speed or the aperture value.

To turn on/off AEB:

1. Go to the Capture mode.
2. Press MENU > > **AEB**.
3. Press OK or , and then select ON or OFF.
4. Press OK > MENU.

AF area

Icon	Mode	Description
	Focusing area: Face Tracking	Focuses on the position of a face.
	Focusing area: Wide	Focuses on a wide range of multiple objects.
	Focusing area: Center	Focuses on the center area of the objects.

To select an automatic focus area:

1. Press MENU > > **AF Area**.

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2. Press OK or ϟ, and then select a focusing area.
3. Press OK > MENU.

While using the Face Tracking function, point the camera to where the people (your subjects) are located. Focus frames of Face Tracking will automatically detect faces (maximum 9) and show on the LCD screen.

4. Press the shutter to capture the image.

☞ • Due to environmental factors such as lighting, the number of detected faces might be different from that of the actual faces.
• To achieve the best result, ask your subjects not to turn their faces partially away from the lens.

AF Assist Lamp

This function emits red light allowing the camera to focus easily when half pressed the Shutter button.

To turn on/off AF Assist Lamp:

1. Go to the Capture mode.
2. Press MENU > 📷 > **AF Assist Lamp**.
3. Press OK or ϟ, and then select ON or OFF.
4. Press OK > MENU.

Setting sharpness, saturation and contrast

Adjusts how colors appear in the pictures by setting sharpness, saturation, and contrast.

To set sharpness, saturation, or contrast:

1. Press MENU > 📷, and then select **Sharpness**, **Saturation** or **Contrast**.
2. Press OK or ϟ, and then select **High**, **Normal**, or **Low**.
3. Press OK > MENU.

Digital Zoom

This feature controls the digital zoom mode. The camera enlarges the image using optical zoom (up to 5x).

Icon	Mode	Description
	Wise Zoom	Reduces the image size, and thus increases the effective zoom length without sacrificing image quality.
	Digital Zoom	Turns on the digital zoom feature.
OFF	OFF	Turns off the digital zoom feature.

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To select a digital zoom:

1. Press MENU > > **Digital Zoom**.
2. Press OK or ϟ, and then select a digital zoom type or OFF.
3. Press OK > MENU.

Date Stamp

Imprints the date when a picture was taken on the picture itself.

To set the date stamp:

1. Press MENU > > **Date Stamp**.
2. Press OK or ϟ, and then select **Date**, **Date & Time**, or OFF.
3. Press OK > MENU.

Instant Review

This feature displays the still image that just recorded for 1 second.

To set the Instant Review:

1. Press MENU > > **Instant Review**.
2. Press OK or ϟ, and then select ON or OFF.
3. Press OK > MENU.

Movie Record mode settings

Icon	Description
	Video Format: 16: 9 (848 x 480), VGA (640 x 480), QVGA (320 x 240), or Web sharing (640 x 480). ☞ Videos captured in Web sharing mode are stored under the XXXUTUBE directory (XXX are numbers) with the file size limited to 100 MB or 10 minutes per video file (video recording will automatically stop).
	White balance: Auto, Daylight, Cloudy, Tungsten, Fluorescent H, Fluorescent L, or Manual. See "White balance" on page 11 for more details.
	AE metering: Center, Multi, Spot. See "AE metering" on page 12 for more details.
	Effect: Normal, Vivid, Sepia, B&W, Vivid Red, Vivid Green, Vivid Blue. See "Effect" on page 12 for more details.

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To select a Movie Record option:

1. Press MENU > > **Scene Mode** > **Movie Record mode**, and make sure you can see the icon on the screen.
2. Press FUNC, and then select an option.
3. Press or to select a setting.
4. Press OK to confirm setting.

Other settings

Press MENU > , and then select an option.

Option	Description
System Sound	**Start up**: Sets a type of the start-up sound. **Shutter**: Sets the shutter sound on and off. **Operation**: Turns on/off the volume for operation. **Volume**: Adjusts the volume of the shutter sound, startup sound, beep and playback sound.
Power Saving	Sets the idle time before the camera automatically enters the standby mode to save battery power.
Date/Time	Sets date and time and date format.
Language	Sets the displayed language on the screen.
File Numbering	Use this function if the camera experiences a "Folder cannot be created" error or if you want to restart numbering, for example, after erasing all files. • **Series**: Stores the latest used file number no matter deleting files or inserting a new memory card. This is useful for avoiding the file name duplication when images are downloaded to a computer. • **Reset**: Resets file numbering each time the memory card is changed.
TV Format	Sets the video format (such as NTSC or PAL) when connecting to an AV system like TV.
LCD Brightness	Sets the degree of brightness for the screen.
Manage Memory	• **Format**: Formats the internal memory or the memory card. • **Copy to card**: Copies files from the internal memory to the memory card.
Reset All	Returns all settings to the factory default values.

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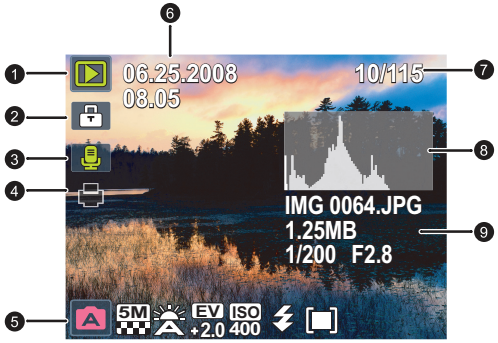
English

Playback mode

Press ▶ to enter the Playback mode.



☞ • When the camera is off, press and hold ▶ for at least one second to enter the Playback mode.
• In the Capture mode, press ▶ to enter the Playback mode.
• In the Playback mode, press ▶ or the Shutter to switch to the Capture mode.
• While pausing video playback, you can press the shutter to capture the video frame as a still image in the VGA format.

Item	Description	Page reference
1	Indicates that the camera is in the Playback mode.	--
2	Indicates that the file is protected and cannot be deleted.	22
3	Indicates this file has a voice memo or the file is an audio file.	22
4	Indicates the file is marked for printing.	--
5	Displays the following information and controls: • the shooting conditions such as scene mode and image size. • Lets you rotate or add voice memo. • Shows whether it is a video file and the play button. ☞ You can press OK to toggle among different information and controls.	--
6	Date and time when the file was created.	--
7	File number	--
8	Histogram	--
9	File name, file size, shutter speed, and F. No.	--

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Options for playback and editing

When the camera is in the Playback mode, press ✋, or ϟ to move to different files. You can also select any of the following options.

Enlarging an image

Magnifies an image, so more details can be seen.

To enlarge an image:

1. Press ▶.
2. Press ✋, or ϟ to move to the image you want to enlarge.
3. Press T to zoom-in or W to zoom-out.
4. Press ∧, ∨, ✋, or ϟ to move to the area you want to see.
5. Press MENU to return to the normal viewing size.

Viewing multiple files at a time

Shows up to 9 files at a time on the screen.

To view multiple files:

1. Press ▶ > W.

Maximum 9 files (shown in thumbnails) are displayed on the screen. Press ∧, ∨, ✋, or ϟ to select a file, and then press OK or MENU to view it in its normal viewing size.

Slideshow

Sets the time interval for presenting a series of captured image and video files (first frame only).

To play a slideshow:

1. Press ▶ > MENU > > **Slideshow** > OK or ϟ.
2. Change the slideshow settings.
   - Use the four-way control to set one of the following slideshow effects:
     - Horizontal: Changes files from right to left.
     - Shrink: Changes files from outside to inside.
     - Fade: Changes files using a fade-out effect.
     - Vertical: Changes files from bottom to top.
     - Random: Changes files randomly using the above four effects.
   - You can set the interval between 1 ~ 10 seconds.
3. Playing the slideshow.
   - Press OK to start slideshow.
   - If you want to pause it at any time, press OK. Press OK again to resume playback. To stop the slideshow, press MENU.

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Deleting files

Removes selected or all files.

To delete files:

1. Press ▶ > MENU > > **Delete** > OK or ϟ.
2. Select whether to delete this selected file, other selected, or all files, and then press OK.

Protecting files

Prevents selected files from accidental removal.

To protect files:

1. Press ▶ > MENU > > **Protect** > OK or ϟ.
2. Select whether to protect this selected file, other selected, or all files, and then press OK. You will then see the icon indicating the file is protected.

☞ You can remove the protection anytime by following the same procedure as shown above. Note that in Step 2 the on-screen instruction will ask you how you want to remove the protection.

Red-eye Removal

The Red Eye Correction function is used to reduce red eye in captured images. This function is only available for still images. Red eye correction can be applied to an image several times, but the quality may gradually deteriorate.

1. Press ▶ > ❦ or ϟ to move to the image you want to apply Red-eye Removal.
2. Press MENU > > **Red-eye Removal** > OK or ϟ.
3. Press OK to confirm the change and how to save the image file.

Voice memo

Inserts a voice annotation to an image file.

To record a voice memo:

1. Press ▶ > ❦ or ϟ to move to the image you want to add a voice memo.
2. Press MENU > > **Voice Memo** > OK or ϟ.
3. Select **Start** > OK to start recording your voice.
4. Select **Stop** > OK to stop recording.

To play back a voice memo:

1. Press ^ to play the voice memo.
2. Press ^ to pause the playback.
3. Press ^ to resume the playback.
4. Press MENU to exit playback.

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Effect

You can add special effects to your images.

Option	Description
Normal	No effect is added to the image.
Sepia	Recorded image will be stored in a sepia tone.
B&W	Convert image to black & white.
Negative	Opposite what they were in the original image.
Mosaic	Apply mosaic tile effects to the image.
Vivid Red	The image becomes reddish.
Vivid Green	The image becomes greenish.
Vivid Blue	The image becomes bluish.

Z-Lighting

Enhances the brightness and contrast in the darker areas of a picture to improve overall exposure quality.

To apply Z-Lighting to an image:

1. Press ▶ > ✋ or ϟ to move to the image you want to apply Z-Lighting.
2. Press MENU > ▶ > **Z-Lighting** > OK or ϟ.
3. Press ✋, or ϟ to adjust the Z-Lighting value.
4. Press OK to confirm the change and how to save the image file.

Rotating an image

Changes the orientation of an image.

To rotate an image:

1. Press ▶ > ✋ or ϟ to move to the image you want to rotate.
2. Press MENU > ▶ > **Rotate**
3. Select **Rotate** and press OK to rotate the image.
4. Repeat step 3 until desired orientation is achieved.
5. Select **Exit** to save and exit the function.

Trimming

Crops part of an image file, reduces the image size, and overwrites the image file or saves it as another new file.

To trim an image:

1. Press ▶ > ✋ or ϟ to move to the image you want to trim.
2. Press MENU > ▶ > **Trim** > OK or ϟ.
3. Press T or W to select the target image size to which you want to reduce.
4. Press ∧, ∨, ✋, or ϟ to locate the area to trim.
5. Press OK to confirm the change and how to save the image file.

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Resizing

Changes an image file to a smaller size, and overwrites the image file or saves it as another new file.

To resize an image:

1. Press ▶ > ✿ or ϟ to move to the image you want to resize.
2. Press MENU > ▶ > **Resize** > OK or ϟ.
3. Press ∧ or ∨ to select the target image size to which you want to reduce.
4. Press OK to confirm the change and how to save the image file.

Startup screen

Sets the welcome image when the camera is powering on.

To select a startup image:

1. Press MENU > ▶ > **Startup Image** > OK or ϟ.
2. Press ∧ or ∨ to select an image.
3. Press OK.

DPOF

The Digital Print Order Format (DPOF) setting allows you to select images on the memory card for printing and specify the number of print copies in advance using the camera. This is extremely convenient for sending the images to a photo developing service or for printing on a direct print function compatible printer.

To set up DPOF:

1. Press MENU > ▶ > **DPOF**
2. Press ∧ or ∨ to select **Single**, then press OK.
   - To set the DPOF setting for all images in a time, select **All** in this step.
   - To reset all DPOF settings to initial default, select **Reset** in this step.
3. Press ✿ or ϟ to select the image you want to print out and press ∧ or ∨ to specify the number of copies, then press OK.

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Working with computer and AV system

Bundled software

The camera offers the following programs on a CD.

ArcSoft PhotoImpression 5	Combines photo editing with creative enhancement and sharing tools that maximize your digital media experience.
ArcSoft VideoImpression 2	Creates multimedia presentations by combining photos and video clips with audio, text and scene transitions.

To install these programs, see the information supplied with the CD.

Connecting the camera to a computer

You can connect the camera to a PC or notebook to transfer, view, print, or edit files.

To connect the camera to a computer:

1. Connect the end of the smaller plug of the USB cable to the camera.
2. Connect the other end of the USB cable to an available USB port on your computer.
3. Turn on the camera.
4. A **Removable Disk** icon appears in **My Computer**. Click this icon to access the files in your camera.

- When connecting the camera to a computer, it is necessary to install a battery into the camera.
- When connecting the camera to a computer, please use the original accessory of the USB cable to avoid possible system conflicts and damage to the camera.

Connecting the camera to an AV system

You can play files in your camera from an AV system such as TV or projector.

To connect the camera to an AV system:

1. Connect the end of the smaller plug of the AV cable to the camera.
2. Connect the yellow video plug and the white audio plug of the AV cable to a video-input jack and an audio-input jack (left channel) on your AV system.
3. Turn on the AV system, and then switch to the AV source connecting to the camera.
4. Turn on the camera.
5. Follow the on-screen instructions to operate the camera via the TV or projector screen.

Printing images

In addition to printing images by connecting the camera to a printer via a computer or bringing the memory card (if available) to a photo-processing center, you can choose to print using PictBridge.

Printing with PictBridge

You can directly print images by connecting your camera to a PictBridge-compatible printer without using a computer.

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To print images from a PictBridge-compatible printer:

1. Connect the end of the smaller plug of the USB cable to the camera.
2. Turn on the printer. Wait for a while until it finishes starting up and is ready to print.
3. Turn on the camera.
4. Press ▶ > MENU > **Printer** > OK or ϟ.
5. Connect the other end of the USB cable to an available USB port on your printer.
6. Follow the remaining on-screen instructions in your camera and/or printer to complete printing.

☞
- The above procedure may vary depending on the printer type you are using.
- If you connect the camera to your printer while the printer is still starting up, the camera will be automatically turned off.
- Failure to follow the above procedure will make the camera show an error message. Please disconnect the camera and the camera will be automatically turned off.

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Troubleshooting and service information

If your camera cannot operate normally, see the frequently encountered problems and solutions listed below. If the problem persists, contact your nearest service center or technical support.

Problem	Cause	Solution
The camera cannot power up.	There is no battery or the battery is not inserted correctly.	Insert the battery correctly.
	The battery has no power.	Recharge the battery.
The battery power is draining quickly.	The external temperature is extremely low.	--
	Many shots are being captured in dark places, requiring a flash.	--
	The battery was not fully charged, or it has not been used for an extended period of time after being charged.	Fully charge the battery and discharge it for at least one complete cycle before use.
The battery or camera is warm.	The camera or flash was used continuously over a long period of time.	--
The flash does not fire or recharge.	The camera flash is turned off.	Set the flash to Auto Flash.
	The light source is sufficient.	--
Even though the flash fired, the image is dark.	The distance to the subject is greater than the flash's effective range.	Get closer to the subject and shoot.
The image is too bright or too dark.	The exposure is excessive or inadequate.	Reset exposure compensation.
I cannot format a memory card.	The memory card is write-protected.	Remove the write protection.
	End of the memory card life.	Insert a new memory card.
I cannot download images from the camera to my computer.	The free space on the hard disk of your computer is insufficient.	Ensure that the hard disk has enough space for running Windows and that the drive for loading image files has free space equal to or greater than the memory card in the camera.
	There is no power being supplied to the camera.	Recharge the battery.

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The camera does not shoot even when pressing the shutter button.	The battery is running low.	Recharge the battery.
	The camera is not in the Capture mode.	Switch to the Capture mode.
	The shutter button was not pressed all the way down.	Press the shutter button all the way down.
	The internal memory or memory card does not have any free space.	Load a new card or delete unwanted files.
	The flash is recharging.	Wait until the flash mode icon, indicated on the screen, stops flashing.
	The camera does not recognize the memory card.	Format the memory card before the initial use or before using with another camera.
I cannot print images with PictBridge-compliant printers.	The camera is connected to the printer when the camera is powered off.	Turn on the camera, select PictBridge, and then connect to the printer.

Technical support

For technical assistance, free driver updates, product information, and news releases, visit the following web site:

http://www.BenQ.com

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Specifications

Image sensor	10 Mega Pixels CCD
LCD display	3-inch LTPS LCD; 230K dots
Digital Zoom	Still image: 1.0X ~ 5.0X (capture) / 1.0X ~ 12.0X (playback)
Lens	• Focal Length: f = 6.3 (W) ~ 18.9 (T) mm • F-number = 3.1 (W) ~ 5.6 (T) (35mm film equivalent: 35.5 ~106.5 mm)
Focus range	• Normal: 40cm ~ Infinity • Macro: 10cm ~ 60 cm (Wide)
Shutter speed	1/2000 ~ 1 sec (Night mode 15 sec)
Capture mode	32 scene modes: Auto, Program, Aperture Priority, Shutter Priority, Manual, Movie Record, Portrait, Landscape, Sports, Backlight, Night Scene, Beach, Snow, Fireworks, Night Portrait, Self-Portrait, Building, Soft Flowing Water, L. Portrait, Web Auction, High ISO Portrait, Food, Museum, Candle Light, Party, Text, Child, Sunset, Flower, Pet, Smile, and Voice Record
Flash	Auto Flash / Auto Anti Red-Eye / Force On / Slow Sync / Force Off
Drive mode	Standard, Self-timer (2 or 10 second delay), Double, and Burst
Exposure compensation	-2 to +2 EV (in 0.3-step increments)
ISO	Auto, 50, 100, 200, 400, 800, 1600, 3200 (for resolution 3M or less only)
White balance	Auto, Daylight, Cloudy, Tungsten, Fluorescent H, Fluorescent L, and Manual
File format	• Still Image: JPEG (Exif 2.2 compatible) and DCF compatible - 10 megapixels (3648 x 2736), 3:2 (3648 x 2432), 16:9 (3648 x 2048), 8 megapixels (3264 x 2448), 5 megapixels (2592 x 1944), 3 megapixels (2048 x 1536), HD (1920 x 1080) and VGA (640 x 480) • Video: AVI (for use on the camera only) - 16: 9 (848 x 480), VGA (640 x 480), QVGA (320 x 240), or Web sharing (640 x 480); 30 fps; continuous recording with sound (except Web sharing) • Audio: WAV
Storage	• Internal: Built-in Approx.10 MB (usable) • External: SD card in the following sizes: 64 MB, 128 MB, 256 MB, 512 MB, 1 GB, 2 GB, 4 GB, and up to 16 GB for SDHC. This camera is compatible with SD cards manufactured by Panasonic, Toshiba, and Sandisk. Please contact your local dealer for purchase information.

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Interface	• Digital output: USB • Audio/Video output (NTSC/PAL) • PictBridge-compatible
Power source	Rechargeable Lithium-ion battery; CIPA 200 PCS
Working temperature	0 - 40 degrees Celsius
Dimensions (W x H x D)	95 x 57 x 17.6 mm
Weight	120 g (without battery & SD card)
System requirements	• Pentium III 600 Mhz or higher compatible CPU • 64 MB RAM • Optical disc drive • Windows Me/2000/XP/Vista compatible • 128 MB free hard disk space • Available USB port

☞ All information, designs, and specifications are subject to change without prior notice.

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